

MIC2000-Ex Explosion-Protected Gas Alarm Controller

MIC2000-Ex

An explosion-protected gas alarm controller for mixed analog and RS485 detector networks.

Revision TS-20261008-54680843 | Prepared 2026-10-08 from approved product data

Shenzhen Eranntex Electronics Co., Ltd.

Gas alarm control for hazardous-area installations

MIC2000-Ex is an explosion-protected gas alarm controller for collecting signals from gas detectors and compatible industrial transmitters. It supports mixed 4-20 mA and RS485 inputs, local concentration display and independently configurable alarm limits.

The standard build provides one 4-20 mA input, four control relay groups and one common output. Expansion can increase analog input capacity to eight channels, with up to 128 RS485 detector inputs; output and recording functions must be specified for the control system.

Technical data

Dimensions	600 × 400 × 270 mm (L × H × W)
Operating temperature	-20 °C to 70 °C
Display size	3.5 in
Data storage	100,000 records
Signal input	1 channel of 4-20 mA input standard; expandable to 8 channels, with up to 128 RS485 inputs
Signal output	RS485 Modbus standard; 4-20 mA, 4G, 433 MHz, LoRa, Zigbee and Ethernet outputs are optional
Display range and resolution	0-99999; selectable resolution of 1, 0.1, 0.01 or 0.001
Display accuracy	±0.1% FS
Relay output	Four control relay groups plus one common output standard; expanded relay configurations are optional
Power supply	180-240 V AC, 50/60 Hz
Backup power	24 V, 5 Ah optional
Installation	Wall mounted
Maximum power consumption	Less than 15 W

Communication and positioning options

Interface	Availability	Notes
RS485	Standard	
4G	Optional	
LoRa	Optional	
Zigbee	Optional	
Ethernet	Optional	

Document scope

This summary records the approved model data shown on the product page. It is not an operating manual, installation approval or certificate. Review the applicable certificate record and exact model or configuration scope separately. Request the operating instructions for the supplied configuration before installation or use.

Product information and inquiry: <https://www.eranntex.com/products/mic-2000-ex/>